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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/842,744 04/25/2001		Alex Ka Tim Poon	PA0253/11269.32 7374		
7590 09/23/2004		·	EXAMINER		
STEVEN G. I	ROEDER	BROWN, KHALED			
THE LAW OF	FICE OF STEVEN G.				
5560 Chelsea Avenue			ART UNIT	PAPER NUMBER	
La Jolla, CA 92037			2877		

DATE MAILED: 09/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application	•								
## Examiner Khaled Brown 2977 Find MAILING DATE of this communication appears on the cover sheet with the correspondence address → Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. If the period row jeepedied bodie is less than thing (30) days, a resky within the statutory minimum of thing (20) days will be considered timely. If the period row jeepedied bodie is less than thing (30) days, a resky within the statutory minimum of thing (20) days will be considered timely. If the period crowing specialise date in the time time time of the interval interval is stated to the specialisation to become ABANDONED (31 U.S.C. § 133). Any reply received by the Official cent has there more than the management after the malling date of this communication. Period of the period of the source and them adjustment. See 37 CFR 1.70-(b). **Status** 1) Responsive to communication(s) filled on 28 June 2004. 2a) 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. **Disposition of Claims** 4) 3) Claim(s) 45-49,86-70 and 110-123 is/are ephding in the application. 4) 4) Claim(s) 45-49,86-70 and 110-123 is/are allowed. 5) Claim(s) 49-86-70 and 110-123 is/are allowed. 6) Claim(s) 49-86-70 and 110-123 is/are allowed. 7) Claim(s) 49-86-70 and 110-123 is/are allowed. 8) Claim(s) 49-86-70 and 110-123 is/are allowed. 8) Claim(s) 49-86-70 and 110-123 is/are allowed. 9) The drawing(s) filed on 25 April 2001 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The proving of the proving the proving the conscious is required if the drawing(s) to objected to by the Examiner. Applicant may not request that any objection to the drawing			Application No.	Applicant(s)					
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Application/Control Number: 09/842,744

Art Unit: 2877

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 50-65, 94-109, 136-140 and 142 are rejected under 35 U.S.C. 102(e) as being anticipated by Bisschops et al (US 6603130).

Re clms 50-53: Bisschops discloses an exposure apparatus comprising (Bisschops et al Fig 4): a stage that retains a device (14), a stage base that guides and supports the stage (13); and a chamber assembly that encircles the device (V), the chamber assembly including a fixed section (Bisschops et al 11), a moving section the moving section moving with the stage (Bisschops et al 12), a seal assembly (Bisschops et al 21) and a stage mover assembly (Bisschops et al 16).

Re clm 56: Bisschops discloses an exposure apparatus comprising (Bisschops et al Fig 4): a stage that retains a device (15); a chamber assembly that encircles the device (V), the chamber assembly including a fixed section (Bisschops et al 11), a moving section (Bisschops et al 12), at least a portion of the moving section being supported by the stage, and a seal assembly (Bisschops et al 21) and a stage base (Bisschops et al 16). Re clm 57: a stage mover assembly (Bisschops et al PW).

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Re clms 60,61,62,63,94-99,101-105: Bisschops discloses an exposure apparatus comprising (Bisschops et al Fig 4): a stage that retains a device (15), a stage base that guides and supports the stage (16); a stage mover assembly (Bisschops et al PW) and a chamber assembly that encircles the device (V), the chamber assembly including a fixed section (Bisschops et al 11), a moving section the moving section moving with the stage (Bisschops et al 12), a seal assembly (Bisschops et al 21).

Re clms 54,55,58,59,64,65,108,109: device or wafer (Bisschops et al, W)

Re clms 100, 137: fluid bearing (Bisschops et al Col 8 line 3 "air" is a fluid)

Re clms 106,139: device table (Bisschops et al 14) and a table seal (13)

Re clms 107,140: allows for motion (Bisschops et al Col 7 lines 37-41)

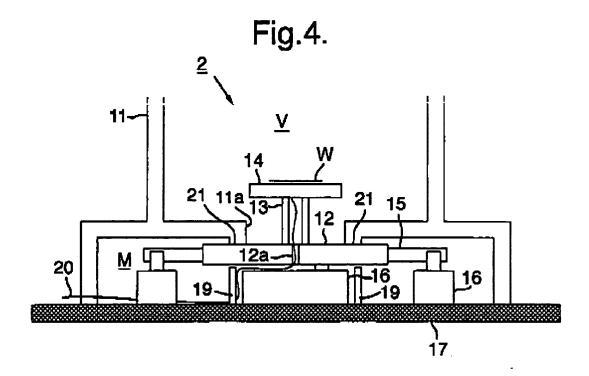
Re clm 136: Bisschops discloses an exposure apparatus comprising (Bisschops et al Fig 4): a stage that retains a device (12); a stage mover assembly (Bisschops et al 15) a chamber assembly that encircles the device (V), the chamber assembly including a fixed section (Bisschops et al 11), a seal assembly (Bisschops et al 21) and a stage base (Bisschops et al 16).

Re clm 138: the stage is adjacent to the fixed section (12 is adjacent to 11)

Re clm 142: the seal assembly creates a vacuum between the fixed section and the stage (Col 6 lines 40-67)

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Allowable Subject Matter

Claims 45-49, 66-70 and 110-123 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record fails to disclose or suggest "the table seal....inhibiting the contaminants from the table mover assembly from circulating through the device chamber" in conjunction with the rest of the claimed subject matter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claim 141 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the prior art of record fails to disclose or suggest the limitation in this particular claim of "the stage mover assembly moves the device table relative to the moving section" in conjunction with the rest of the claimed subject matter.

Response to Arguments

Applicant's arguments filed 6-28-04 have been fully considered but they are not persuasive. The applicant argues that Bisschops et al does not disclose a table seal that seals the moving section to the device table, allows for motion of the device table relative to the moving section and that Bisschops et al. does not disclose a stage base positioned outside the chamber that supports and guides the stage, with the stage, in turn, supporting at least a portion of the moving section (Remarks p. 14 lines 1-13). However Bisschops et al. does disclose a table seal (13, which maintains vacuum conditions in chamber V) that seals the moving section (12) to the device table (14), allows for motion of the device table relative to the moving section (Col 7 lines 33-41, resting on moving section 12 is pillar 13 and resting on pillar 13 is fine stage 14. Therefore fine stage 14 does in fact move relative to moving section 14) and Bisschops et al. does disclose (in Fig 4) a stage base (16) positioned outside the chamber (V) that

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supports and guides the stage (15), with the stage, in turn, supporting at least a portion of the moving section (12). For any other arguments see the above rejections.

Conclusion

The prior art previously made of record and not relied upon is considered pertinent to applicant's disclosure. Furukawa 5218896, Pollock 4726689, Tanaka 6496248, Bisschops et al 6445440 and Bisschops et al 6421112.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Note: No IDS was filed with the Amendment entered 6-28-04.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khaled Brown whose telephone number is 571-272-2411. The examiner can normally be reached on M-F 8:30am-5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J Toatley Jr. can be reached on 571-272-2800 Ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KB September 9, 2004